

Technical Specifications	
Usage:	
Charge every 3-4 months, to maintain battery life.	
For up to 1-year storage, discharge to 50%, remove fuse, shelf in cool temperature	
Charging With:	Approximate Charge Times
AC wall charger	3 hours
12V car charger	3-4 hours
GOAL ZERO Nomad 13.5	6-12 hours
Inputs	
Charging port (8.0mm, blue, circle)	15-25V (30W max)
Outputs	
USB Port	5V, 0-1.5A (7W max), regulated
12V port (6.0mm, green, hexagon)	12V, 0-6A (75W max), regulated
Sidecar port (9mm, side)	9-13V, 0-10A (75W max), not regulated, Use with Sherpa inverter or for chaining

Laptop port (7.4mm, orange, square)	19V, 0-5A (75W max) regulated
AC Inverter (sold separately)	110VAC (75W max), modified-sine wave
Internal	
Battery type	Lithium-ion (NMC)
Battery capacity	50Wh+ (2x3x3.6V, 2.6Ah cells)
Battery voltage range	9-13V
BMS	Built-in charge controller, and cell output protection
Life-span	hundreds of cycles
Fuses	10A, standard car fuse
General	
Chainable	yes, with other Sherpa V2
Weight	1.1lbs
Dimensions	4.5 x 1.5 x 5 in (11.4 x 3.8 x 12.7 cm)
Warranty	12 months
Tested and Certified	FCC, CE
Operating usage temp.	32-104F (0-40C)

Know Your Gear

SHERPA⁵⁰

PORTABLE RECHARGER

User Guide

- Register your product
- Watch demo video
- Download user manual

Contact Us:

Toll Free: 888-794-6250

675 West 14600 South

Bluffdale, UT 84065

www.GOALZERO.com

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www.tifie.org



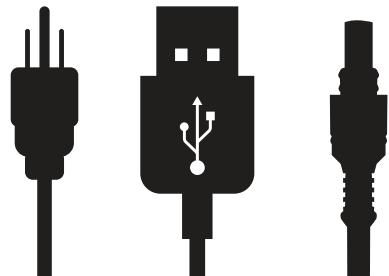
CHARGE

From AC, 12V, or solar panels.

1

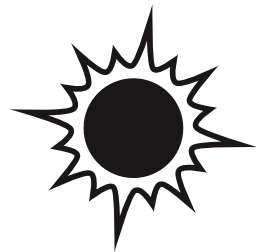
POWER

Plug in any AC*, 12V, or USB device.



2

*AC inverter sold separately



REPLENISH

To stay prepared
keep devices plugged into AC, 12V,
or solar panel.

3

Frequently Asked Questions

Q: How do I know if it is turned on?

A: Push the white power button below the LCD battery monitor and it will light up.

Q: How do I know if I have a full charge?

A: The LED battery monitor displays charge level in 20% increments. If all areas are shaded and the monitor says "FULL", then it is charged up and ready to go.

Q: Is it waterproof?

A: No. Although the SHERPA is durable, electricity and water don't mix well. Make sure the ports are dry before using the device.

Q: Can I take the recharger on an airplane?

A: Yes, the SHERPA is perfect for keeping your devices charged on long flights.

Q: How long can the Sherpa 50 hold its charge?

A: It can hold its charge for several months. However, to keep the battery healthy and ready to go, we recommend that you leave your SHERPA 50 plugged in between uses. If this is not possible, charge it every 3-4 months.

Q: What type of battery technology is it?

A: Lithium-ion NMC. It has these advantages: stores more energy; smaller and lighter watt for watt; and retains its charge even after months of storage.

Q: Can I chain multiple Sherpas together?

A: Yes. You can chain multiple Sherpas together through the sidecar port. Contact goalzero.com for the chaining cord.

Q: Why did it turn off automatically?

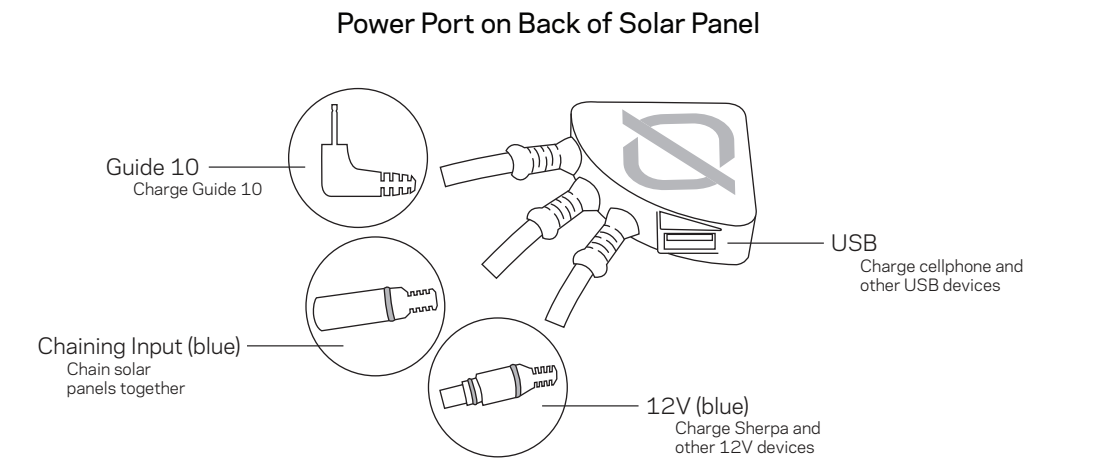
A: The SHERPA has a built-in feature that turns the unit off after a period of inactivity. This saves power. To override this mode and keep it in "always on" mode, simply hold down the power button for about 10 seconds. A small "ON" icon will appear in the upper left side of the LCD battery monitor if you are in "always on" mode. In this case, it will only turn off if it runs out of power or you turn it off.

Note for Extreme Users:

Long Term Storage: For long-term storage (up to a year), charge the Sherpa 50 to 50% full, then remove the fuse, and store in a cool place.

Technical Specifications	
Charging With:	Approximate Charge Times
GOAL ZERO Sherpa 50	6-12 hours
12V devices (satellite phone, GPS)	1-4 hours
USB devices (cell phone, MP3 player)	1-4 hours
Inputs	
Rated Wattage	13 W
Cell type	mono-crystalline
Open-circuit voltage	18-20V
Converting eff.	17-18%
Cell area	0.0755 m²
Outputs	
USB output	5v, 0-1A (5W), regulated
12V DC output	13-15V, 0-1A (13W max), not regulated

General	
Weight	1.6 lbs (0.72 kg)
Dimensions	10.5 x 7 x 1 in (26.7 x 17.8 x 2.5 cm)
Warranty	12 months
Tested and Certified	FCC
Operating usage temperature	0-120F (-17-48C)



Know Your Gear

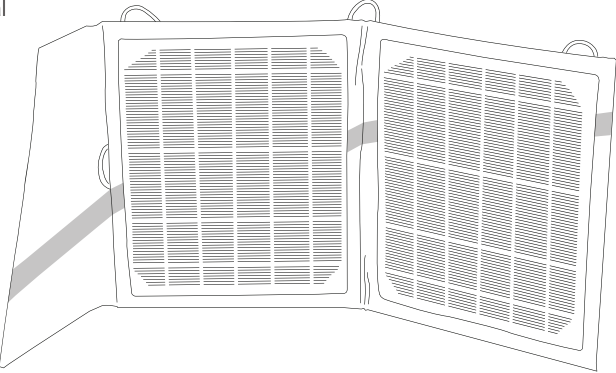
NOMAD¹³

PORTABLE SOLAR PANEL



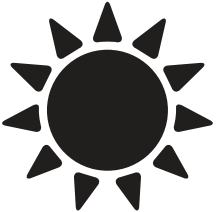
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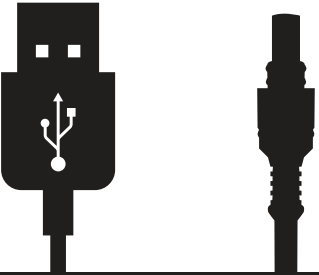
CHARGE

From the sun.
Angle the panel towards the sun.

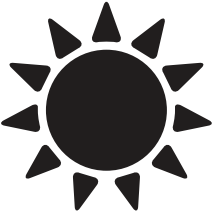
1

POWER

Plug in any USB or 12V device.



2



REPLENISH

To stay prepared
keep devices plugged into USB
or solar panel.

3

Frequently Asked Questions

Q: Does the solar panel hold a charge?

A: No, the panel produces power only when it is exposed to sunlight. To generate the most power, angle the panel towards the sun. This improves your ability to collect power from the sun. Note: Clouds and windows affect collection efficiency. If you would like to store solar power, combine the Nomad 13 with the Sherpa 50 Portable Recharger.

Q: What can I charge directly from the solar panel?

A: USB and 12V devices like cellphones, GPS and iPods. You can plug in a 12V device and a USB device at the same time, however, you will slow down the charge time for both devices.

Q: Is the solar panel waterproof?

A: It is weather-resistant and will not be harmed if exposed to rain or snow.

Q: Why am I having trouble charging my cellphone?

A: Some phones require very specific and constant power. Try changing the angle of your panel and re-plugging in your phone. Most charging issues are overcome by incorporating a Goal Zero portable recharger like a Sherpa.

Q: Can I chain multiple solar panels together?

A: Yes. Chaining additional solar panels is a great way to charge your device from the sun in less time. You can chain up to four solar panels at once.